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萬順昌鋼鐵有限公司
VSC Steel Processing Holdings Ltd.



利基顯豐聯營
Build King – Richwell Engineering JV



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China Railway Group – Zhen Hua JV



西貢離島污水處理設備
AWTS in Sai Kung Islands

AWTS

歡迎查詢

FEEL FREE TO CONTACT US!

好氧生物污水處理系統

AEROBIC WASTEWATER TREATMENT SYSTEM

保然技術有限公司於 1998 年成立, 是一間以創新為指導原則的綠色技術企業。有見於一般住宅、家庭、地盤會產生不少生活污水, 好氧生物污水處理系統(AWTS)是一種採用生物處理的模組式污水處理系統。它能廣泛用於住宅, 酒店, 學校, 工廠, 建築工地等。

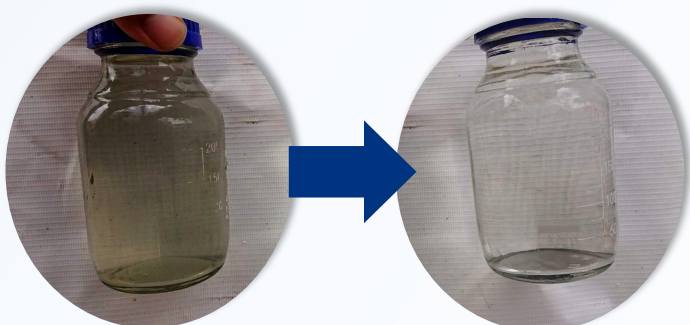
AWTS 把均衡、厭氧、好氧、沉澱和消毒等過程結合在一個系統中, 設計旨在取代傳統的化糞池或化學廁所。系統在應用和設計上會根據不同的入水特性及特點作出調節, 我們的研究和數據庫有助於為當地條件建立最合適的系統。

Waste & Environmental Technologies Ltd. Is a green technology entrepreneur with global experiences and innovation as its guiding principle. Aerobic Wastewater Treatment System (AWTS) is a highly modular system which employed bio technology system built on the purpose of treating sewage and liquid wastes from household and dwellings. It is widely used in dwellings, hotels, schools, factories, construction sites, etc.

It combined equalization, anaerobic, aerobic biological process, sedimentation and disinfection in one system. It has been designed to replace the conventional septic or chemical toilet. Application and design criteria of the system varies from climates influent nature and practice in household. Our research and data bank allow us to build the most adequate system for local conditions.

過濾成效 EFFECTIVENESS:

- 除去 70-75%生物及化學需氧量
70-75%BOD and COD removal
- 有效降低大腸桿菌
Reduce E.Coli Content
- 出水水質能達到合法排水標準
Able to meet Water Discharge Requirement



過濾流程 PROCESS DESCRIPTION:

AWTS 由一系列處理室組成, 包括均衡室, 厭氧處理室, 好氧處理室, 沉澱室和消毒室, 系統可按客人需要埋在地下或放在室外長期使用, 詳細流程可參考下方流程圖。

AWTS consists of a series of treatment chambers, including equalization, anaerobic treatment, aerobic treatment, sedimentation and disinfection chamber. It can either be buried in the ground for long-term use or placed outdoors. The overall process is summarized below.



系統比較 COMPARISON TO TRADITION SYSTEM:

傳統處理系統 Conventional Method	保然處理系統 WET Method
化糞池: 只有厭氧處理作用 Septic Tank: Only allows anaerobic digestion	單一綜合系統 One Integrated Modular System: <ul style="list-style-type: none"> 系統綜合厭氧、好氧、沉澱及消毒等處理室 System combines anaerobic, aerobic, sedimentation & disinfection treatment 高成本效益 Cost-effective 有效達至排水標準 Fulfill the discharge limit 維修次數低 Minimum maintenance 經處理之污水可循環使用 (非飲用水) Effluent can be reused (Non-potable)
水缸: 把污水送到適當傾倒地方處理成本較高 Holding Tank: Extremely costly for hauling waste to dumping area	
旋轉生物接觸圓盤法: 成本較高, 需定期檢查及維修 Rotating Biological Contactor (RBC): high capital cost, requires routine attention and maintenance	

型號及規格 MODEL & SPECIFICATIONS:

	AWTS-10	AWTS-20	AWTS-23	AWTS-20S	AWTS-40
機身尺寸 Overall Dimension (mm)					
長度 Length	2,865	6,058	7,000	6,058	12,000
闊度 Width	2,291	2,438	2,438	2,438	2,438
高度 Height	1,115	1,281	1,281	2,600	2,891
容量 Capacity					
處理量 Capacity (Person)	20 ~ 40	50 ~ 100	100 ~ 180	180 ~ 220	200 ~ 300
容量 Volume (m ³)	5	11	13	26	43
其他 Others					
材質 Material	Stainless Steel 201/ Fibre-reinforced plastic (FRP)				
入水口 Inlet	DN 100				
出水口 Outlet	DN 100				
排泥口 Sludge Outlet	DN 80				

*實際大小按污水流量及客戶需要設計

*Actual dimension can be adjusted according to influent flowrate and customers' requirements

